

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001467**Date Inspected:** 29-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2130**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4BE, Sub-Assemblies**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**OBG 4BE**

Edge trimming of this segment was in process outside blast shop prior to blast and coating operations.

**Sub-Assemblies**

Joint three party inspection of base metal surfaces with Caltrans QA Lumley and ABF and ZPMC QA/QC representatives was conducted inside blast shop 2. One hundred pieces of angle iron were inspected for surface preparation and fabrication defects, those which exhibited fabrication defects were removed for repairs. SSPC SP-10 was achieved profiles of abrasive blasted base metal surfaces ranged 68-82um ambient conditions were monitored by QC representative and were within the parameters of the contract documents and the coating manufacturer's product data sheet. Interzinc 22 was applied to the properly prepared surfaces.

**Floor Beam Sub- Assembly**

Base metal faying surfaces were abrasive blasted to SSPC SP-10 and Interzinc 22 was applied this inspection was conducted concurrently with miscellaneous metal listed above

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**Summary of Conversations:**

Discussed leaving work site early with task leader Mahlon Lindenmuth and coming in to work for dayshift operations to fill void in inspector schedule, informed Mahlon that no further inspections were scheduled for the remainder of the nightshift.

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## SOURCE INSPECTION REPORT

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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